

## CLAIMS

What is claimed is:

1 1. Apparatus for in-vehicle provision of audio content  
2 to a listener, comprising:

3 a cellular telephone adapted to receive broadcast  
4 radio content over a wireless network; and

5 an in-vehicle audio system, adapted to be fixedly  
6 installed in a vehicle, and coupled to receive the  
7 broadcast radio content from the cellular telephone, and  
8 to play the content in the vehicle.

1 2. Apparatus according to claim 1 wherein the cellular  
2 telephone is adapted to receive the broadcast radio  
3 content over the wireless network at a time when the radio  
4 content is not being broadcast over radio channels.

1 3. Apparatus according to claim 1 wherein the cellular  
2 telephone is adapted to receive the broadcast radio  
3 content over the wireless network at a location where the  
4 radio content cannot be received over radio channels.

1 4. Apparatus according to claim 1 wherein the broadcast  
2 radio content received over the wireless network is  
3 user-selected.

1 5. Apparatus according to claim 4 wherein the cellular  
2 telephone is adapted to receive from a user, an input  
3 comprising at least one detail regarding the broadcast  
4 radio content to be received, and to transmit the at least  
5 one detail to a content provider over the wireless  
6 network.

1 6. Apparatus according to claim 5 wherein the input  
2 comprises a verbal input.

1 7. Apparatus according to claim 5 wherein the cellular  
2 telephone comprises buttons, and wherein the input  
3 comprises contacting the buttons.

1 8. Apparatus according to claim 4 wherein the audio  
2 system is adapted to receive, from a user, an input  
3 comprising at least one detail regarding the broadcast  
4 radio content to be received, and to transmit the at least  
5 one detail to the cellular telephone.

1 9. Apparatus according to claim 8 wherein the  
2 in-vehicle audio system can function as a radio  
3 independent of the cellular phone, and is adapted to  
4 receive, as the input, at least one identification detail  
5 of the radio station to which the radio is tuned.

1 10. Apparatus according to claim 9 wherein the at least  
2 one identification detail is selected from the group  
3 consisting of radio station name, radio station ID code,  
4 radio station broadcast frequency, and radio station URL.

1 11. Apparatus according to claim 9 wherein the at least  
2 one identification detail is stored in a memory in the  
3 cellular telephone.

1 12. Apparatus according to claim 1 wherein the wireless  
2 network is the Internet and the cellular telephone is WAP  
3 enabled.

1    13.    Apparatus according to claim 1 wherein the cellular  
2    telephone communicates with the wireless network using a  
3    packet-oriented cellular protocol.

1 14. Apparatus according to claim 13 wherein the wireless  
2 network is a GSM network and the packet-oriented cellular  
3 protocol is General Packet Radio Service (GPRS).

1 15. Apparatus according to claim 1 wherein the cellular  
2 telephone is adapted to transfer the audio content to the  
3 in-vehicle audio system via a wireless link therebetween.

1 16. Apparatus according to claim 13 wherein the wireless  
2 link uses a Bluetooth communication protocol.

1 17. Apparatus according to claim 1 wherein the cellular  
2 telephone is adapted to transfer the audio content to the  
3 in-vehicle audio system via a wired link therebetween.

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1  18. Apparatus for storing user radio station
2  preferences, comprising:

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3           a cellular telephone, having a memory; and  
4   an in-vehicle audio system, adapted to be fixedly  
5   installed in a vehicle and to play broadcast radio content  
6   therein, and adapted to receive, from a user, at least one  
7   identification detail regarding a radio station preferred  
8   by the user, and to transmit the at least one detail to  
9   the cellular telephone for storage in the memory.

1 19. Apparatus according to claim 18 wherein the cellular  
2 telephone is adapted to transmit the at least one detail  
3 of the preferred radio station to another in-vehicle audio  
4 system.

1    20.    Apparatus according to claim 19 wherein the other  
2    in-vehicle audio system is adapted to receive the at least  
3    one detail from the cellular telephone and, responsive

4 thereto, to receive and play broadcast radio content from  
5 the preferred radio station.

1 21. Apparatus according to claim 18 wherein the cellular  
2 telephone is adapted to receive broadcast radio content  
3 from the preferred radio station over a wireless network,  
4 and

5 the other in-vehicle audio system is coupled to  
6 receive the broadcast radio content from the cellular  
7 telephone, and to play the content in the vehicle.

1 22. Apparatus according to claim 18 wherein the at least  
2 one identification detail comprises at least one detail  
3 selected from the group consisting of radio station name,  
4 radio station ID code, radio station broadcast frequency,  
5 and radio station URL.

1 23. A method for the in-vehicle provision of audio  
2 content to a listener, the method comprising:

3 downloading broadcast radio content over a wireless  
4 network to a cellular telephone;

5 transferring the content from the cellular telephone  
6 to an in-vehicle audio system; and

7 playing the content on the in-vehicle audio system  
8 to the listener.

1 24. A method according to claim 23 wherein the step of  
2 downloading content over the wireless network is performed  
3 at a time when the content is not being broadcast over  
4 radio channels.

1 25. A method according to claim 23 wherein the step of  
2 downloading content over the wireless network is performed

3 at a location where the content can not be received over  
4 radio channels.

1 26. A method according to claim 23 and also comprising  
2 the step of selecting the content to be downloaded.

1 27. A method according to claim 26 wherein the selecting  
2 step comprises a user inputting at least one detail  
3 regarding the broadcast radio content to be downloaded,  
4 and transmitting the at least one detail to a content  
5 provider over the wireless network.

1 28. A method according to claim 27 wherein the at least  
2 one detail is input to the cellular telephone.

1 29. A method according to claim 28 wherein the at least  
2 one detail is input to the cellular telephone verbally.

1 30. A method according to claim 27 wherein the cellular  
2 telephone comprises input buttons, and wherein the at  
3 least one detail is input to the cellular telephone  
4 through contact with the buttons.

1 31. A method according to claim 27 wherein the at least  
2 one detail is input via the audio system.

1 32. A method according to claim 31 wherein the audio  
2 system functions as a radio independent of the cellular  
3 phone, and the at least one detail comprises at least one  
4 identification detail of the radio station to which the  
5 radio is tuned.

1 33. A method according to claim 32 wherein the at least  
2 one detail is stored in a memory in the cellular  
3 telephone.



1 41. A method according to claim 40, and also comprising  
2 transmitting the stored at least one identification detail  
3 to another in-vehicle audio system.

1 42. A method according to claim 41, and also comprising  
2 identifying the preferred radio station from the at least  
3 one detail, and responsive thereto, receiving and playing  
4 broadcast radio content from the preferred radio station.

1 43. A method according to claim 40, and also comprising:  
2 transmitting the stored at least one identification  
3 detail, over a wireless network, to an audio content  
4 provider;

5       identifying the preferred radio station from the at  
6   least one detail;

7        downloading broadcast radio content over the  
8        wireless network to the cellular telephone;

9 transferring the content from the cellular telephone  
10 to the in-vehicle audio system; and

11       playing the content on the in-vehicle audio system  
12       to a listener.

1 44. A method according to claim 40 wherein the at least  
2 one identification detail is selected from the group  
3 consisting of radio station name, radio station ID code,  
4 radio station broadcast frequency, and radio station URL.